



Lunergy X2400 AC

800W/2400W AC

Plug & play

IP65

10ms UPS

Smart APP

No feed-in

Output

Nominal Power	2400W
Peak Power	4800W
Nominal Voltage	220/230/240VAC
Output Frequency	50/60Hz $\pm 0,1\%$
THD%	<2% (linear load) / <7% (non-linear load)
Overload Capacity	5 min @ 102% – 120% nominal load, 10 sec @ 120% – 150%, 5 sec @ >150%

Efficiency

Grid Charging Mode (AC to Battery)	93%
Discharging Mode (Battery to AC)	92%

Grid Input

Input Voltage Range	184Vac~253Vac
Input Frequency Range	48Hz – 51Hz
Power Factor at Input	$\geq 0,95$

Battery and Charging

Max Charging Current	40A, digitaal instelbaar, standaardwaarde 40A
Pre-charge Current	1,5A
Nominal Battery Capacity	50 Ah
Max Charging Current	25 A
Max Discharging Current	50 A
Operating Voltage Range	44,8 VDC ~ 58,4 VDC
Operating Temperature	-10°C tot +50°C
Protections	Overvoltage protection, Undervoltage protection, Overcurrent protection, Short-circuit protection, Overtemperature protection
Communication Port	Switching command interface, RS485, CAN communication

Environmental Parameters

Operating Temperature Range	-20~55°C
Humidity	0 – 98% (non-condensing)
Cooling Method	External fan
Noise Level	<45 dB
Protection Rating	IP65

Mechanical Specifications

Dimensions	520 mm × 360 mm × 345 mm
Weight	40 kg